

ABSTRACT:

The present invention discloses a novel process for preparation of carvedilol by using eco friendly solvents to obtain the said carvedilol in high purity. The said process comprises, reacting 4-hydroxy carbazole of formula (IV) with epichlorhydrin in presence of an organic solvent and a base at temperatures between 10^0C - 30^0C ; further reacting the resultant 4-(2,3-epoxypropoxy)- carbazole of formula (II) with a salt of 2-(2-methoxyphenoxy) ethylamine of formula (III), preferably hydrochloride salt in presence 10 of a base and a hydroxylic solvent at temperatures between 30^0C - 90^0C .